SAMSUNG ELECTRONICS

SERVICE BULLETIN

Product :	CTV	Bulletin No.	: 97 - CTV - E0009
Model :	CS2901AP / CS721APTR	Bulletin Date	: March 19, 1997
Buyer :	SCSC , SMSC	ECN # & Date	: March 12,1997

SUBJECT : Q-Project, Countermeasures for CRT PCB Arking

Background : It has been occurred CRT PCB Arking problem intermittently in China market.
(Symptom)

Cause : On account of current path between G3 (Focus Grid) and G1(Ground Grid) on CRT PCB, Arking (with noise) problem occurred.

Solution : Temporarily, adding an amount of Silicon bond to the point of CRT PCB discharged when taking an 'After-Service' in the field.
CRT Socket part has been improved from '96. December production lot.

Application Date : December, 1996

(* I.C : Interchangeability Code Type)

Location No.	OLD (before) Parts		NEW (changed) Parts		*
	SEC Code	Description	SEC Code	Description	I.C
V501	3704 - 000116	CRT SOCKET Body thickness: 5mm	3704 - 000116	CRT SOCKET Body thickness: 7mm	D

Type	A type	B type	C type	D type	E type	F type
I/Change Status (* I.C)	OLD (Part) → Early (Time) NEW → Late	OLD (Part) → Early (Time) NEW → Late	OLD (Part) → Early (Time) NEW → Late	OLD (Part) → Early (Time) NEW → Late	Part Addition (¡¿ ¡æ NEW)	Part deletion (OLD ¡æ ¡¿)

Application	Reference ( )	Only Defected sets (O)	Whole sets ( )
Attachment	Schematic Diagram ( )	Component Lay-out ( )	Exploded View ( )
	Mechanical Diagram ( )	None ( )	Others (O)

Product Month :	December, '96	Serial No. (~ from)	
Published by :	S.K. Yang	Checked by : Mr. J.G. Lee	Approved by : Mr. T.S. Kim

SAMSUNG ELECTRONICS

SERVICE BULLETIN

Product :	Television	**Bulletin No. :**	97-CTV-E0024
Model :	CN7202	**Bulletin Date :**	Jul. 27, 1997
Buyer :	SEASA, SEDA, SLSC	**ECN Date :**	Jul. 21, 1997

SUBJECT : KCT52A, Micom changes

Background : Horizontal signal has an effect on 'Hprizontal Drive' circuit.
(Symptom) Noise 'P~' happens by shaking waveform of the H-drive circuit.

Cause : It is caused by mistaking software program of Micom.

Solution : Micom has been modified software program.

Application Date : July 16, 1997

(Interchangeability Code : * **I.C**)

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		* **I.C**
	SEC Code	Description	SEC Code	Description	
IC901	AA13-30013W	Micom R3028	AA13-30014U	Micom R3085	D
RP930*	2001-000577	1/8W 2K	2001-000958	1/8W 750 ohm	D

Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
Interchange Type Code (* I.C)	OLD (Parts) → Early (Prod.) / NEW → Late	OLD (Parts) → Early (Prod.) / NEW → Late	OLD (Parts) → Early (Prod.) / NEW → Late	OLD (Parts) → Early (Prod.) / NEW → Late	Parts Addition (None ¡æ New)	Parts deletion (Old ¡æ Del.)

Application Reference (O) Only Defected sets ( ) Whole sets ( )

Attachment Schematic Diagram ( ) Component Lay-out ( ) Exploded View ( )
Mechanical Diagram ( ) None (O) Others ( )

Product Month : **Serial No.** (~ from)

Published by S.K. Yang **Approved by Mr. J.G. Lee**

SAMSUNG ELECTRONICS

SERVICE BULLETIN

Product :	TV	**Bulletin No. :**	97-CTV-E0045
Model :	TXF2043 / TXF2543	**Bulletin Date :**	Oct. 31, 1997
Buyer :	SEA, SECA	**ECN Date :**	Oct. 28, 1997

SUBJECT : TXF-2043, KCT52B Chassis, Tuner changes

Background : (Symptom)
KCT52B Chassis has been applied to '9 Volts' Tuner since the Chassis had been developed.
The '5 Volts' Tuner has been applying to KCT52B Chassis from October 20, 1997.

Cause : Cost down (VE)

Solution : Tuner & circuit changes as attached.
(Please refer to 'Parts change information' as attached copy.)

Application Date : October 20, 1997

(Interchangeability Code : * **I.C**)

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		* **I.C**
	SEC Code	Description	SEC Code	Description	
TU01	AA40 - 10005B	Tuner, TECC1080PK25	AA40 - 10005T	Tuner, TECC1070PG26A	D

Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
Interchange Type Code (* I.C)	OLD (Parts) → Early (Prod.) / NEW → Late	OLD (Parts) → Early (Prod.) / NEW → Late	OLD (Parts) → Early (Prod.) / NEW → Late	OLD (Parts) → Early (Prod.) / NEW → Late	Parts Addition (None ¡æ New)	Parts deletion (Old ¡æ Del.)

Application	Reference (O)	Only Defected sets ( )	Whole sets ( )
Attachment	Schematic Diagram ( )	Component Lay-out ( )	Exploded View ( )
	Mechanical Diagram ( )	None ( )	Others (O)
Product Month :	October 1997	**Serial No.** (~ from)	
Published by	S.K. Yang		**Approved by** Mr. J.G. Lee

SAMSUNG ELECTRONICS

SERVICE BULLETIN

¡á Parts Change Information **** Bulletin No: 97-CTV-E0045***

¢ÁModel : (Interchangeability Code : * **I.C**)

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		* **I.C**
	SEC Code	Description	SEC Code	Description	
TU01	AA40 10005B	Tuner, TECC1080PK25	AA40 - 10005T	Tuner, TECC1070PG26A	D
R810	2003 - 001023	RM AF 2W 120	2003 - 000592	RM AF 2W 22	D
J110	-	-	3812 - 000219	Jumper	E
C102	2401 - 000495	CE 16V 47uF	2401 - 002463	CE 16V 470uF	D
R109	2001 - 001117	R. 1/2W 68	2001 - 001146	1/2W 4.7	D
C109	2401 - 001530	CE 25V 47uF	-	-	F
IC101	1203 - 000298	KA7809A	-	-	F
R106	2003 - 000713	RM AF 2W 47	-	-	F
C103	2401 - 001530	CE 25V 47uF	-	-	F
R116(J708)	30509-410-116	Jumper	2701 - 000207	Coil, 56uH	D
R113	2004 - 001027	1/8W 5.6K	2001 - 000007	1/8W 3K	D
DZ804	0403 - 000295	MTZ5.1B	0403 - 000296	MTZ5.6B	D
R104	2001 - 000411	1/8W 18K	2001 - 000878	1/8W 6.2K	D
L210	2701 - 000114	10uH	2701 - 000299	13uH	D

Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
Interchange Type Code (* I.C)	OLD (Parts) → Early (Prod.) / NEW → Late	OLD → Early (Parts) / (Prod.) NEW → Late	OLD → Early (Parts) / (Prod.) NEW → Late	OLD → Early (Parts) (Prod.) NEW → Late	Parts Addition (None ¡æ NEW)	Parts deletion (OLD ¡æ Del.)

SAMSUNG ELECTRONICS

SERVICE BULLETIN

Product :	TV	**Bulletin No. :**	97-CTV-E0049
Model :	CS-2901AP, CS-721APTR	**Bulletin Date :**	Nov. 25, 1997
Buyer :	CCS, SMSC, ACS	**ECN Date :**	Nov. 20, 1997

SUBJECT : CS-2901, SCT52A Chassis, A/V Wafer Connector changes

Background : (Symptom) The 'No PIP', 'No video' or 'No sound' failure can occur intermittently due to bad connection between Main board and A/V terminal board on the production lot from October to December of last year's (1996) .

Cause : Due to connection loose of '20P wafer connector' part.

Solution : 20P Wafer Connector changes

Application Date : Jan. 10, 1997

(Interchangeability Code : * **I.C**)

Location No.	**OLD** (before) Parts (M52777SPA)		**NEW** (changed) Parts (M52777SPB)		* **I.C**
	SEC Code	Description	SEC Code	Description	
CN701	3710-001151	Wafer Connector Socket 20P. 2R 2.54	3710-001155	Wafer Connector Socket 20P. 2S 2.54	D
CN702	3710-001151	Wafer Connector Socket 20P. 2R 2.54	3710-001155	Wafer Connector Socket 20P. 2S 2.54	D

Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
Interchange Type Code (* I.C)	OLD (Parts) → Early (Prod.) / NEW → Late	OLD (Parts) → Early (Prod.) / NEW → Late	OLD (Parts) → Early (Prod.) / NEW → Late	OLD (Parts) → Early (Prod.) / NEW → Late	Parts Addition (None ¡æ New)	Parts deletion (Old ¡æ Del.)

Application Reference ( ) Only Defected sets (O) Whole sets ( )

Attachment Schematic Diagram ( ) Component Lay-out ( ) Exploded View ( )
Mechanical Diagram ( ) None (O) Others ( )

Product Month : January 1997 **Serial No.** (~ from)

Published by S.K. Yang **Approved by** Mr. J.G. Lee

SAMSUNG ELECTRONICS

SERVICE BULLETIN

Product :	TV	Bulletin No. :	98-CTV-E0005
Model :	CT-6345 / TXF2043 / TXF2543	Bulletin Date :	Apr. 6, 1998
Buyer :	SEA, SECA	ECN Date :	Mar. 31, 1998

SUBJECT : KCT52B 01Lot, Countermeasure of 'No Vertical phenomenon' on screen

Background : No vertical phenomenon (horizontal center line) on screen
(Symptom)

Cause : It is failed to the vertical IC (TDA8350Q) caused by flowing the surge voltages to V1 & V2 part of DY.
The philips vertical IC TDA8350Q can be occurred the failure intermittently.

Solution : The circuit has been changed as below and attached drawings:

Application Date : Mar. 31, 1998

(Interchangeability Code : * I.C)

Location No.	OLD (before) Parts		NEW (changed) Parts		*
	SEC Code	Description	SEC Code	Description	I.C
R310		0.68 Ohm	2701-000116	Coil 10uH AL05	D
Bottom		Between V1 and GND	2305-000407	100V 470nF	E
Bottom		Between V1 and GND	0403-001039	MA2560	E
Bottom		Between IC301 #9 and G	0403-001039	MA2560	E
Bottom		Between IC301 #3 and G	0403-000656	15C	E
C302		100V 154	2305-000285	100V 224	D

Type	A type	B type	C type	D type	E type	F type
Interchange Type Code (* I.C)	OLD (Parts) → Early (Prod.) NEW → Late	OLD (Parts) → Early (Prod.) NEW → Late	OLD (Parts) → Early (Prod.) NEW → Late	OLD (Parts) → Early (Prod.) NEW → Late	Addition (None ¡æ New)	deletion (Old ¡æ Del.)

Application	Reference ( )	Only Defected sets (O)	Whole sets ( )
Attachment	Schematic Diagram (O)	Component Lay-out ( )	Exploded View ( )
	Mechanical Diagram ( )	None ( )	Others ( )
Product Month :	January 1997	Serial No. (~ from)	
Published by S.K. Yang		Approved by Mr. J.G. Lee	

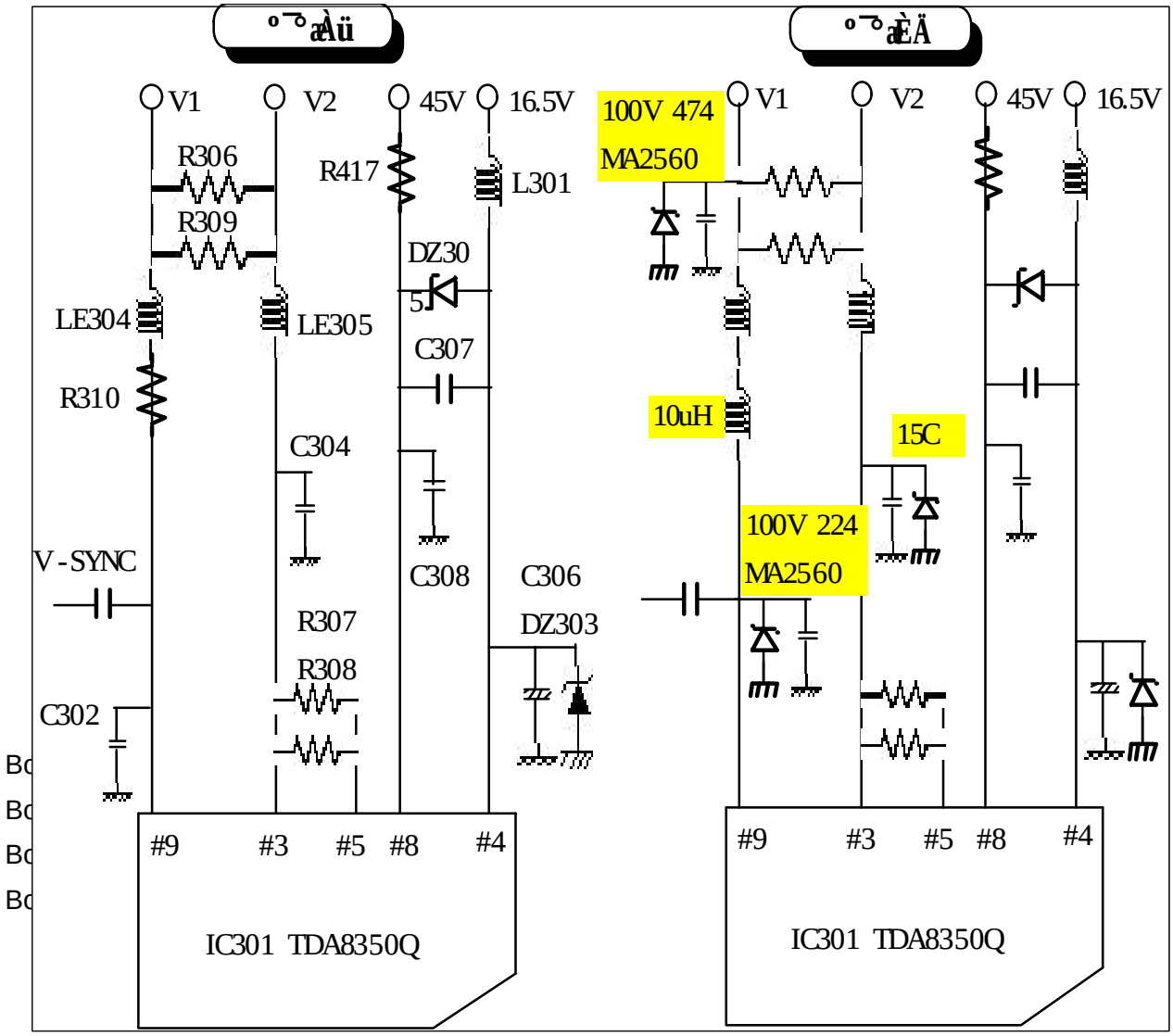
¡á *Additional Information*

98-CTV-E0005

The Circuit Changes

< Before >

< After >



SAMSUNG ELECTRONICS

SERVICE BULLETIN

Product :	TV	**Bulletin No. :**	99-CTV-E0020
Model :	KCT52B	**Bulletin Date :**	Sep . 21, 1999
Buyer :	SEA,SECA,SAMEX,LCS	**ECN Date :**	Sep . 21, 1999

SUBJECT : KCT52B , Countermeasure for Vertical IC 'TDA8350Q' Defect

Background :

(Symptom) It is occurred defect of vertical IC ' TDA8350Q ' in field.

Cause :

- Vertical IC's Pump-up voltage is higher than Spec (60V).
- Surge flow in DY-V1 terminal.

Solution :

Changed the circuit as follows.

Please, refer to attached Schematic Diagram.

Application Date : 1999

(Interchangeability Code : * **I.C**)

Location No.	**OLD** (before) Parts		**NEW** (changed) Parts		* **I.C**
	SEC Code	Description	SEC Code	Description	
R310	Unknown	0.68 Ohm	2701-001040	10uH	D
C302	Unknown	100V, 154nF	2305-000285	100V , 220nF	D
-	PCB Back Added	V1 ~ GND	0403-001039	MA2560	E
-	PCB Back Added	V1 ~ GND	2305-000407	100V , 474nF	E
-	PCB Back Added	#9 ~ GND	0403-001039	MA2560	E
-	PCB Back Added	#3 ~ GND	0403-000656	MTZ15C	E

Type	**A** type	**B** type	**C** type	**D** type	**E** type	**F** type
Interchange Type Code (* I.C)	OLD (Parts) → Early (Prod.); NEW → Late	OLD (Parts) → Early (Prod.); NEW → Late	OLD (Parts) → Early (Prod.); NEW → Late	OLD (Parts) → Early (Prod.); NEW → Late	Addition (None ¡æ New)	deletion (Old ¡æ Del.)

Application Reference ( ) Only Defected sets (O) Whole sets ( )

Attachment Schematic Diagram (O) Component Lay-out ( ) Exploded View ( )
Mechanical Diagram ( ) None ( ) Others ( )

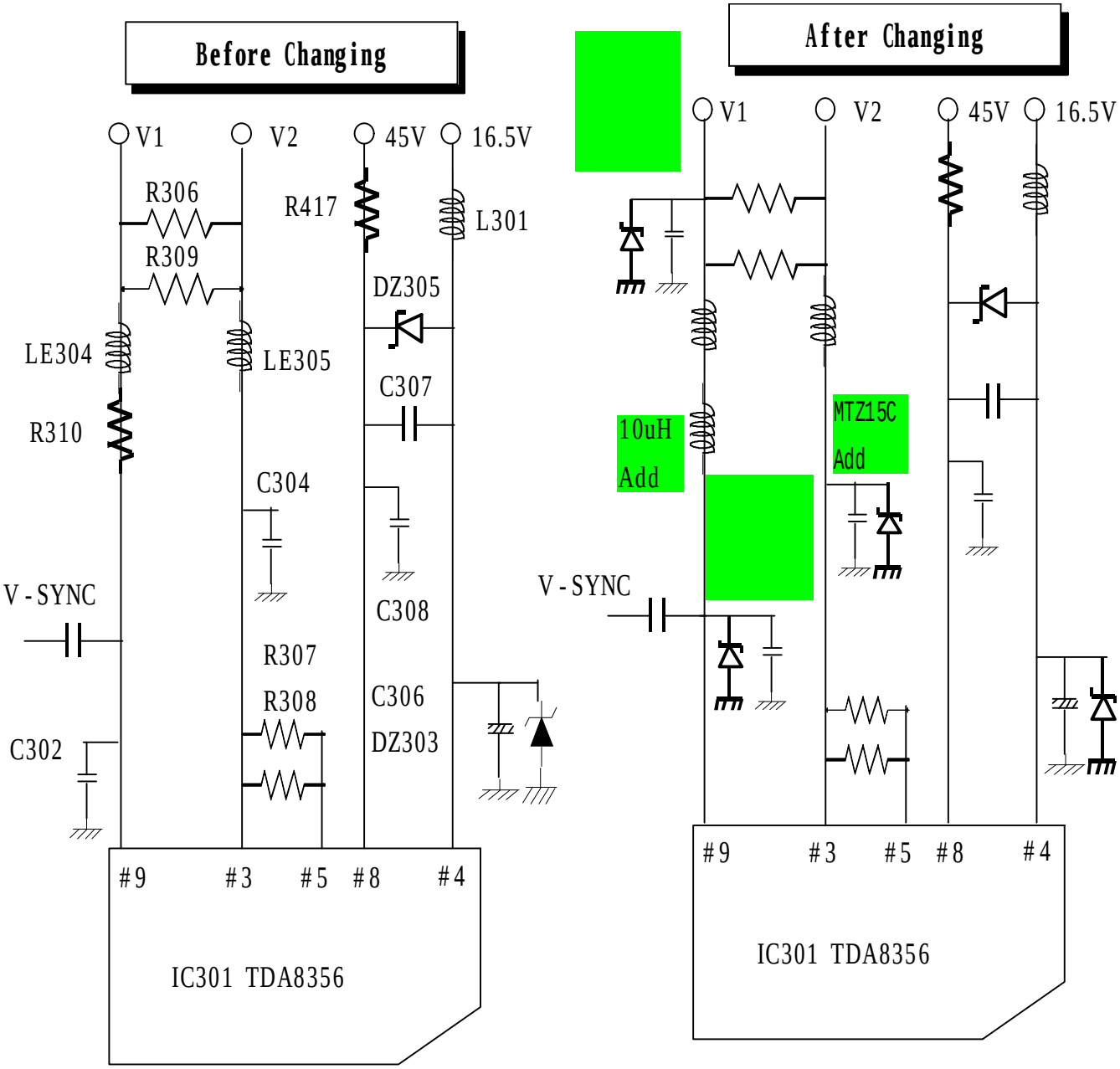
Product Month : Sep . 20, 1999 **Serial No.** (~ from)

Published by H. C. Kim / A. Manager of TV Div. Service (Tel. no. : 82-331-200-5170)

¡á Additional Information

99-CTV-E0020

* How to put the parts soldering at Bottom PCB



¡á Distribution List and Remarks

No.	Subsidiary Distributor	Country	Applicable Models or Remark
1	SEA	USA	
2	SECA	Canada	
3	SEMEX	Mexico	**KCT52B Chassis Model Only**
4	SEM	Mexico	
5			
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